

The FHWA Highway Traffic Noise Prediction model (FHWA-RD-77-108) was used to predict traffic noise levels along major area roadways. The FHWA modeling was based upon the CALVENO noise emission factors for automobiles and medium and heavy-duty trucks. Input data used in the model included average-daily traffic volumes, day/night percentages of automobiles and medium and heavy trucks, vehicle speeds, ground attenuation factors, and roadway widths. Traffic data was based on information derived from the traffic analysis prepared for this project, as well as heavy-duty truck distribution percentages for major highways obtained from the California Department of Transportation's *2006 Annual Average Daily Truck Traffic on the California State Highway System (2007)*.

YEAR 2005

Roadway	Segments
Highway 37	Junction Highway 121 North
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- ---- AUTOS 74.90 12.47 9.26 M-TRUCKS 0.12 0.01 0.01 H-TRUCKS 2.79 0.09 0.35 ADT: 47693 SPEED: 55 ACTIVE HALF WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5 CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 76.11 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 168.5 361.4 777.6 1674.6	
U.S. 101	Windsor River Road to Central Cloverdale/Citrus Fair Drive
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- ---- AUTOS 74.90 12.47 9.26 M-TRUCKS 0.12 0.01 0.01 H-TRUCKS 2.79 0.09 0.35 ADT: 26039 SPEED: 65 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5 CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 76.16 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 143.4 308.6 664.6 1431.4	
Highway 116	Adobe Road to Arnold Drive
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- ---- AUTOS 75.23 12.52 9.31 M-TRUCKS 0.54 0.03 0.07 H-TRUCKS 1.99 0.06 0.25 ADT: 12828 SPEED: 45 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5	

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 69.06 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 104.0 223.6 481.6	
Airport Blvd.	E/ Skylane to W/ Faight Road
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08 ADT: 4734 SPEED: 45 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5 CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 63.64 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 0.0 97.5 209.6	
Bennett Valley Road	W/ Grange Road to W/ Warm Springs Road
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08 ADT: 10500 SPEED: 40 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5 CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 65.83 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 63.5 136.2 293.2	
Crane Canyon Road	E/ Petaluma Hill Road to E/ Inverness Avenue
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- ----- AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08 ADT: 2628 SPEED: 35 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5 CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 58.39 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 0.0 0.0 93.8	
Dry Creek Road	N/ Lytton Springs Road

<p>TRAFFIC DISTRIBUTION PERCENTAGES</p> <p>DAY EVENING NIGHT</p> <p>--- ----- ----</p> <p>AUTOS</p> <p>75.51 12.57 9.34</p> <p>M-TRUCKS</p> <p>1.56 0.09 0.19</p> <p>H-TRUCKS</p> <p>0.64 0.02 0.08</p> <p>ADT: 2577 SPEED: 55 ACTIVE HALF WIDTH (FT): 6</p> <p>SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 63.20</p> <p>** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **</p> <p>70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>-----</p> <p>0.0 0.0 91.1 195.9</p>	
Fulton Road	S/ River Road to N/ River Road
<p>TRAFFIC DISTRIBUTION PERCENTAGES</p> <p>DAY EVENING NIGHT</p> <p>--- ----- ----</p> <p>AUTOS</p> <p>75.51 12.57 9.34</p> <p>M-TRUCKS</p> <p>1.56 0.09 0.19</p> <p>H-TRUCKS</p> <p>0.64 0.02 0.08</p> <p>ADT: 17933 SPEED: 50 ACTIVE HALF WIDTH (FT): 6</p> <p>SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 70.57</p> <p>** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **</p> <p>70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>-----</p> <p>61.1 131.0 282.0 607.3</p>	
Grange Road	S/ Bennett Valley Road
<p>TRAFFIC DISTRIBUTION PERCENTAGES</p> <p>DAY EVENING NIGHT</p> <p>--- ----- ----</p> <p>AUTOS</p> <p>75.51 12.57 9.34</p> <p>M-TRUCKS</p> <p>1.56 0.09 0.19</p> <p>H-TRUCKS</p> <p>0.64 0.02 0.08</p> <p>ADT: 7895 SPEED: 40 ACTIVE HALF WIDTH (FT): 6</p> <p>SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 64.59</p> <p>** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **</p> <p>70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>-----</p> <p>0.0 52.6 112.7 242.5</p>	
Leveroni Road	E/ Arnold Drive to E/ Harrington
<p>TRAFFIC DISTRIBUTION PERCENTAGES</p> <p>DAY EVENING NIGHT</p> <p>--- ----- ----</p> <p>AUTOS</p> <p>75.51 12.57 9.34</p> <p>M-TRUCKS</p> <p>1.56 0.09 0.19</p> <p>H-TRUCKS</p> <p>0.64 0.02 0.08</p> <p>ADT: 15364 SPEED: 55 ACTIVE HALF WIDTH (FT): 6</p> <p>SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p>	

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 70.95
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 64.7 138.9 298.9 643.7

Mark West Springs Road | E/ U.S. 101 to E/ Michele Way

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

AUTOS
 75.51 12.57 9.34

M-TRUCKS
 1.56 0.09 0.19

H-TRUCKS
 0.64 0.02 0.08

ADT: 10241 SPEED: 40 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 65.72
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 62.4 134.0 288.4

Mountain View Avenue | E/ Santa Rosa Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

AUTOS
 75.51 12.57 9.34

M-TRUCKS
 1.56 0.09 0.19

H-TRUCKS
 0.64 0.02 0.08

ADT: 4043 SPEED: 40 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 61.68
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 0.0 72.3 155.3

Old Redwood Hwy | N/ Mendocino to N/ East Railroad Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

AUTOS
 75.51 12.57 9.34

M-TRUCKS
 1.56 0.09 0.19

H-TRUCKS
 0.64 0.02 0.08

ADT: 13367 SPEED: 45 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 68.14
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 90.4 194.4 418.5

Petaluma Blvd South | N/ U.S. 101 S/B Off-Ramp

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

<p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 11662 SPEED: 45 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 67.55 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>----- 0.0 82.6 177.5 382.2</p>	
Petaluma Hill Road	N/ Adobe Rd to N/ Snyder Lane
<p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 22395 SPEED: 55 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 72.59 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>----- 83.0 178.4 384.2 827.5</p>	
Rohnert Park Expressway	E/ Stony Point Road to W/ Petaluma Hill Road
<p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 38420 SPEED: 30 ACTIVE HALF WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 67.35 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>----- 0.0 95.8 203.5 437.0</p>	
Santa Rosa Avenue	S/ Horn Avenue to N/ East Robles Avenue
<p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 14462 SPEED: 40 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p>	

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 67.22
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 78.4 168.6 362.9

Skylane Blvd. | N/ Airport Blvd.

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.51 12.57 9.34

M-TRUCKS

1.56 0.09 0.19

H-TRUCKS

0.64 0.02 0.08

ADT: 4625 SPEED: 35 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 60.84
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 0.0 63.6 136.6

Stony Point Road | N/ Highway 116 to N/ Millbrae Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.51 12.57 9.34

M-TRUCKS

1.56 0.09 0.19

H-TRUCKS

0.64 0.02 0.08

ADT: 18634 SPEED: 55 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 71.79
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 73.5 157.9 339.9 732.0

Todd Road | E/ Standish Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.51 12.57 9.34

M-TRUCKS

1.56 0.09 0.19

H-TRUCKS

0.64 0.02 0.08

ADT: 6432 SPEED: 45 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 64.97
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 55.7 119.5 257.1

Warm Springs Road | N/ Henno Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS			
75.51	12.57	9.34	
M-TRUCKS			
1.56	0.09	0.19	
H-TRUCKS			
0.64	0.02	0.08	
ADT: 8405 SPEED: 35 ACTIVE HALF WIDTH (FT): 6			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 63.44			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
0.0	0.0	94.6	203.3
101		Santa Rosa Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 114285 SPEED: 65 ACTIVE HALF WIDTH (FT): 18			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.90			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
349.6	752.2	1619.9	3489.1
101		Todd Road	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 118120 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.23			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
357.7	768.5	1654.3	3562.8
101		Santa Rosa. Hearn Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 134404 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.79			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			

70 CNEL 65 CNEL 60 CNEL 55 CNEL			
389.7	837.5	1803.0	3883.2
101		Santa Rosa. Baker Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 137127 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.88			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
394.9	848.7	1827.2	3935.4
101		Santa Rosa. Jct. Route 12 Third Street	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 53012 SPEED: 55 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 75.01			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
162.8	346.1	743.3	1599.9
101		Santa Rosa. Fourth Street	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 105692 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 79.75			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
332.4	713.7	1536.1	3308.4
101		Santa Rosa. College Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
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AUTOS			
75.33	12.54	9.32	
M-TRUCKS			

0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 96472 SPEED: 65 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 79.35 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		
312.9	671.6	1445.5 3113.1
101		Santa Rosa, Steele Lane
TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
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AUTOS		
75.33	12.54	9.32
M-TRUCKS		
0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 93910 SPEED: 65 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 79.23 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		
307.4	659.7	1419.8 3057.7

YEAR 2035

Roadway	Segments
Highway 37	Junction Highway 121 North
TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	EVENING NIGHT
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AUTOS	
74.90	12.47 9.26
M-TRUCKS	
0.12	0.01 0.01
H-TRUCKS	
2.79	0.09 0.35
ADT: 92755 SPEED: 55 ACTIVE HALF WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5	
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 79.00 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL	
261.7	562.6 1211.4 2609.1
U.S. 101	Windsor River Road to Central Cloverdale/Citrus Fair Drive
TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	EVENING NIGHT
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AUTOS	
74.90	12.47 9.26
M-TRUCKS	
0.12	0.01 0.01
H-TRUCKS	

2.79 0.09 0.35

ADT: 36968 SPEED: 65 ACTIVE HALF WIDTH (FT): 12
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 77.10
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

181.2 389.6 839.0 1807.0

Highway 116 Adobe Road to Arnold Drive

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.23 12.52 9.31

M-TRUCKS

0.54 0.03 0.07

H-TRUCKS

1.99 0.06 0.25

ADT: 26026 SPEED: 45 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 72.13
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

77.4 166.4 358.3 771.6

Airport Blvd. E/ Skylane to W/ Faight Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.51 12.57 9.34

M-TRUCKS

1.56 0.09 0.19

H-TRUCKS

0.64 0.02 0.08

ADT: 7082 SPEED: 45 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 65.39
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 59.4 127.4 274.1

Bennett Valley Road W/ Grange Road to W/ Warm Springs Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS

75.51 12.57 9.34

M-TRUCKS

1.56 0.09 0.19

H-TRUCKS

0.64 0.02 0.08

ADT: 24186 SPEED: 40 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 69.45
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

51.5 110.3 237.4 511.2

Crane Canyon Road | E/ Petaluma Hill Road to E/ Inverness Avenue

RUN NAME: RUN DATE:

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS
75.51 12.57 9.34
M-TRUCKS
1.56 0.09 0.19
H-TRUCKS
0.64 0.02 0.08

ADT: 4702 SPEED: 35 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 60.92
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 0.0 64.3 138.1

Dry Creek Road | N/ Lytton Springs Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS
75.51 12.57 9.34
M-TRUCKS
1.56 0.09 0.19
H-TRUCKS
0.64 0.02 0.08

ADT: 3071 SPEED: 55 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 63.96
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 0.0 102.4 220.2

Fulton Road | S/ River Road to N/ River Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS
75.51 12.57 9.34
M-TRUCKS
1.56 0.09 0.19
H-TRUCKS
0.64 0.02 0.08

ADT: 24684 SPEED: 50 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 71.96
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

75.4 162.1 348.9 751.4

Grange Road | S/ Bennett Valley Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT

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AUTOS
75.51 12.57 9.34
M-TRUCKS

<p>1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 12586 SPEED: 40 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 66.61 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 71.5 153.7 330.8</p>
<p>Leveroni Road E/ Arnold Drive to E/ Harrington</p> <p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 22652 SPEED: 55 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 72.64 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 83.6 179.8 387.1 833.8</p>
<p>Mark West Springs Road E/ U.S. 101 to E/ Michele Way</p> <p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 18659 SPEED: 40 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 68.32 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 92.9 199.7 430.1</p>
<p>Mountain View Avenue E/ Santa Rosa Avenue</p> <p>TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----</p> <p>AUTOS 75.51 12.57 9.34 M-TRUCKS 1.56 0.09 0.19 H-TRUCKS 0.64 0.02 0.08</p> <p>ADT: 15319 SPEED: 40 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 67.47 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL ----- 0.0 81.5 175.2 377.1</p>

Old Redwood Hwy	N/ Mendocino to N/ East Railroad Avenue																								
<p>TRAFFIC DISTRIBUTION PERCENTAGES</p> <table> <thead> <tr> <th>DAY</th> <th>EVENING</th> <th>NIGHT</th> </tr> </thead> <tbody> <tr> <td>---</td> <td>-----</td> <td>----</td> </tr> <tr> <td colspan="3">AUTOS</td> </tr> <tr> <td>75.51</td> <td>12.57</td> <td>9.34</td> </tr> <tr> <td colspan="3">M-TRUCKS</td> </tr> <tr> <td>1.56</td> <td>0.09</td> <td>0.19</td> </tr> <tr> <td colspan="3">H-TRUCKS</td> </tr> <tr> <td>0.64</td> <td>0.02</td> <td>0.08</td> </tr> </tbody> </table> <p>ADT: 19934 SPEED: 45 ACTIVE HALF WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5</p> <p>CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 69.88 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL</p> <p>----- 55.0 117.9 253.6 546.2</p>		DAY	EVENING	NIGHT	---	-----	----	AUTOS			75.51	12.57	9.34	M-TRUCKS			1.56	0.09	0.19	H-TRUCKS			0.64	0.02	0.08
DAY	EVENING	NIGHT																							
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AUTOS																									
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0.64	0.02	0.08																							
Petaluma Blvd South	N/ U.S. 101 S/B Off-Ramp																								
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DAY	EVENING	NIGHT																							
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AUTOS																									
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M-TRUCKS																									
1.56	0.09	0.19																							
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0.64	0.02	0.08																							
Petaluma Hill Road	N/ Adobe Rd to N/ Snyder Lane																								
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DAY	EVENING	NIGHT																							
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75.51	12.57	9.34																							
M-TRUCKS																									
1.56	0.09	0.19																							
H-TRUCKS																									
0.64	0.02	0.08																							
Rohnert Park Expressway	E/ Stony Point Road to W/ Petaluma Hill Road																								
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DAY	EVENING	NIGHT																							
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AUTOS																									
75.51	12.57	9.34																							
M-TRUCKS																									
1.56	0.09	0.19																							
H-TRUCKS																									

0.64 0.02 0.08

ADT: 46102 SPEED: 30 ACTIVE HALF WIDTH (FT): 18
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 68.15
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 107.8 229.6 493.4

Santa Rosa Avenue S/ Horn Avenue to N/ East Robles Avenue

TRAFFIC DISTRIBUTION PERCENTAGES
 DAY EVENING NIGHT
 --- -----

AUTOS
 75.51 12.57 9.34
 M-TRUCKS
 1.56 0.09 0.19
 H-TRUCKS
 0.64 0.02 0.08

ADT: 45829 SPEED: 40 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 72.22
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 78.5 168.8 363.4 782.7

Skylane Blvd. N/ Airport Blvd.

TRAFFIC DISTRIBUTION PERCENTAGES
 DAY EVENING NIGHT
 --- -----

AUTOS
 75.51 12.57 9.34
 M-TRUCKS
 1.56 0.09 0.19
 H-TRUCKS
 0.64 0.02 0.08

ADT: 7509 SPEED: 35 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 62.95
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

 0.0 0.0 87.7 188.6

Stony Point Road N/ Highway 116 to N/ Millbrae Avenue

TRAFFIC DISTRIBUTION PERCENTAGES
 DAY EVENING NIGHT
 --- -----

AUTOS
 75.51 12.57 9.34
 M-TRUCKS
 1.56 0.09 0.19
 H-TRUCKS
 0.64 0.02 0.08

ADT: 29952 SPEED: 55 ACTIVE HALF WIDTH (FT): 6
 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 73.85
 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
 70 CNEL 65 CNEL 60 CNEL 55 CNEL

100.7 216.6 466.4 1004.5

Todd Road | E/ Standish Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT
--- -----

AUTOS
75.51 12.57 9.34
M-TRUCKS
1.56 0.09 0.19
H-TRUCKS
0.64 0.02 0.08

ADT: 10247 SPEED: 45 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 66.99
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 75.8 162.8 350.6

Warm Springs Road | N/ Henno Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT
--- -----

AUTOS
75.51 12.57 9.34
M-TRUCKS
1.56 0.09 0.19
H-TRUCKS
0.64 0.02 0.08

ADT: 19561 SPEED: 35 ACTIVE HALF WIDTH (FT): 6
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 67.11
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

0.0 77.2 165.8 356.9

101 | Santa Rosa Avenue

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT
--- -----

AUTOS
75.33 12.54 9.32
M-TRUCKS
0.90 0.05 0.11
H-TRUCKS
1.52 0.05 0.19

ADT: 148610 SPEED: 65 ACTIVE HALF WIDTH (FT): 30
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 81.23
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **
70 CNEL 65 CNEL 60 CNEL 55 CNEL

416.5 895.4 1927.8 4152.1

101 | Todd Road

TRAFFIC DISTRIBUTION PERCENTAGES

DAY EVENING NIGHT
--- -----

AUTOS
75.33 12.54 9.32
M-TRUCKS

0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 148570 SPEED: 65 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 81.23 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		
416.5	895.2	1927.5 4151.4
101	Santa Rosa. Hearn Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----		
AUTOS		
75.33	12.54	9.32
M-TRUCKS		
0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 168945 SPEED: 65 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 81.78 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		
453.5	975.2	2099.9 4522.7
101	Santa Rosa. Baker Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----		
AUTOS		
75.33	12.54	9.32
M-TRUCKS		
0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 173708 SPEED: 65 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 81.90 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		
462.0	993.5	2139.1 4607.3
101	Santa Rosa. Jct. Route 12 Third Street	
TRAFFIC DISTRIBUTION PERCENTAGES DAY EVENING NIGHT --- -----		
AUTOS		
75.33	12.54	9.32
M-TRUCKS		
0.90	0.05	0.11
H-TRUCKS		
1.52	0.05	0.19
ADT: 62098 SPEED: 55 ACTIVE HALF WIDTH (FT): 30 SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5		
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 75.70 ** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL ** 70 CNEL 65 CNEL 60 CNEL 55 CNEL		

180.4	384.3	825.8	1777.8
101		Santa Rosa. Fourth Street	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
---	-----	-----	
AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 135712 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.83			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
392.2	842.9	1814.6	3908.3
101		Santa Rosa. College Avenue	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
---	-----	-----	
AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 132394 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.73			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
385.8	829.1	1784.9	3844.3
101		Santa Rosa. Steele Lane	
TRAFFIC DISTRIBUTION PERCENTAGES			
DAY	EVENING	NIGHT	
---	-----	-----	
AUTOS			
75.33	12.54	9.32	
M-TRUCKS			
0.90	0.05	0.11	
H-TRUCKS			
1.52	0.05	0.19	
ADT: 128742 SPEED: 65 ACTIVE HALF WIDTH (FT): 30			
SITE CHARACTERISTICS: SOFT GRADE (PERCENT): .5			
CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE = 80.60			
** DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL **			
70 CNEL 65 CNEL 60 CNEL 55 CNEL			
378.7	813.8	1752.0	3773.3